Performance Data Sheet

AE4430Y-FZ1A

General Information

Model	AE4430Y-FZ1A	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-15	Watts (Capacity)	365	318	270	223
	Watts (Power)	199	211	222	231
	Amps	1.76	1.79	1.80	1.81
-10	Watts (Capacity)	472	412	352	292
	Watts (Power)	212	230	244	257
	Amps	1.79	1.83	1.86	1.89
-6.7	Watts (Capacity)	553	485	414	344
	Watts (Power)	220	242	260	276
	Amps	1.80	1.86	1.91	1.95
-5	Watts (Capacity)	599	526	450	374
	Watts (Power)	224	248	267	285
	Amps	1.81	1.87	1.93	1.97
0	Watts (Capacity)	750	659	566	471
	Watts (Power)	233	264	290	313
	Amps	1.83	1.91	1.99	2.06
5	Watts (Capacity)	925	816	702	586
	Watts (Power)	240	278	312	342
	Amps	1.86	1.96	2.05	2.14
7.2	Watts (Capacity)	1010	893	769	643
	Watts (Power)	241	284	321	354
	Amps	1.87	1.98	2.08	2.18
10	Watts (Capacity)	1130	998	861	722
	Watts (Power)	243	290	332	369
	Amps	1.88	2.00	2.12	2.23

15	Watts (Capacity)	1360	1210	1050	879
	Watts (Power)	242	299	350	396
	Amps	1.90	2.05	2.18	2.31

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	972.6062	88.34062	1.54287	
C2	42.26463	-3.663419	-0.007611	
C3	-5.739992	6.573863	0.0106985	
C4	0.6589996	-0.1152817	0.00000704518	
C5	-0.2947726	0.1956949	0.000406933	
C6	-0.06943348	-0.06967202	-0.0000349979	
C7	0.002951841	-0.0007717834	0	
C8	-0.005039077	0.001916606	0	
C9	-0.0009376387	-0.0006693567	0	
C10	0.0004299661	0.0003771039	0	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature